GE Versamax Series Service Manual

IC200NDR001

1. Description

The IC200NDR001 controller is a Nano PLC component made by GE Fanuc in the Versamax series. It has a voltage rating of 24 Volts DC.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Versamax**
Part	**Number IC200NDR001**
Description	**Nano PLC controller**
Voltage	**24 Volts DC**
Serial	**Port 1**
Input	**Points 6**
Output	**Points 4**
I/O	**Connections 10**
Global	**Reference 1280**
Processor	**Speed 28 Mhz**
Boolean	**Execution Speed 1.2 microseconds**
Relay	**Life 200000 electrical operations**
The	**IC200NDR001 controller by GE Fanuc is a 24 Volts DC NANO PLC system controller. It comes with single communication port. An RJ-45 port is present on the front for a local area network. It comes with 6 inputs and 4 outputs. The controller uses the Versa Pro version 1.1 software for configuration and programming. The NANO PLC is equipped with Flash memory for program storage. It can connect up to 10 I/O points at a time. The IC200NDR001 NANO controller has up to 1280 global references. The controller also has 128 status bits and it also has 256 registers. The ambient temperature should be set between 0 and 55 degrees Celsius for normal operation.**

3. Product Information

The IC200NDR001 controller is a Nano PLC component made by GE Fanuc in the Versamax series. It has a voltage rating of 24 Volts DC.

Technical specifications for IC200NDR001

Brand GE Fanuc

Series Versamax

Part Number IC200NDR001

Description Nano PLC controller

Voltage 24 Volts DC

Serial Port 1

Input Points 6

Output Points 4

I/O Connections 10

Global Reference 1280

Processor Speed 28 Mhz

Boolean Execution Speed 1.2 microseconds

Relay Life 200000 electrical operations

The IC200NDR001 controller by GE Fanuc is a 24 Volts DC NANO PLC system controller. It comes with single communication port. An RJ-45 port is present on the front for a local area network. It comes with 6 inputs and 4 outputs. The controller uses the Versa Pro version 1.1 software for configuration and programming. The NANO PLC is equipped with Flash memory for program storage. It can connect up to 10 I/O points at a time. The IC200NDR001 NANO controller has up to 1280 global references. The controller also has 128 status bits and it also has 256 registers. The ambient temperature should be set between 0 and 55 degrees Celsius for normal operation.

The IC200NDR001 NANO controller has a processor with a clock speed of 28 Mhz. The execution time for boolean operation is 1.2 microseconds. This controller follows the SNP, SNP X, and RTU slave protocols. The GE controller can be mounted using a DIN rail. No removable terminal strips are present in this controller variant. The IC200NDR001 controller comes with modem compatibility and it supports a multi drop configuration with the RS-485 adapter. The power supply holdup time is 10 milliseconds. The inrush current of the NANO controller is 1 Amp for 30 Volts DC. The life of the relay in the controller is 200,000 electrical operations when applied with a load of 2 Amps. The IC200NDR001 current has been marked with the CE rating. It can accommodate shocks of 15 G for up to 11 milliseconds and vibrations of 57 to 500 Hertz.